

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
28 April 2005 (28.04.2005)

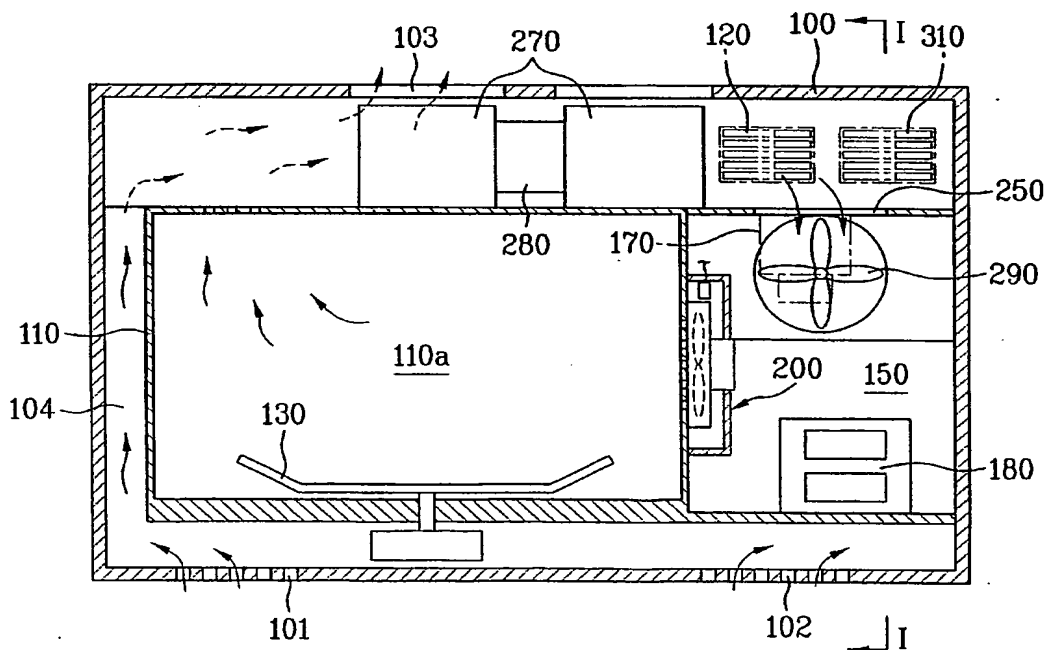
PCT

(10) International Publication Number  
**WO 2005/039244 A1**

- (51) International Patent Classification<sup>7</sup>: **H05B 6/64**,  
F24C 7/02
- (21) International Application Number:  
PCT/KR2004/002597
- (22) International Filing Date: 12 October 2004 (12.10.2004)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:  
10-2003-0072318 16 October 2003 (16.10.2003) KR  
10-2004-0011913 23 February 2004 (23.02.2004) KR
- (71) Applicant (for all designated States except US): **LG ELECTRONICS INC.** [KR/KR]; 20, Yoido-dong, Youngdungpo-gu, Seoul 150-721 (KR).
- (72) Inventor; and  
(75) Inventor/Applicant (for US only): **KIM, Kyu Young**
- (74) Agents: **BAHNG, Hae Cheol et al.**; KBK & Associates, 15th Floor Yo Sam Building., 648-23, Yeoksam-dong, Kangnam-gu, Seoul 135-080 (KR).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,

[Continued on next page]

(54) Title: MICROWAVE OVEN



(57) Abstract: Microwave oven including a body (100) forming an outer appearance, an inner case (110) in the body (100) having a cooking chamber (110a) formed therein, an outfit room (150) at one side of the inner case (110), having various electric parts, such as a magnetron (170), a high voltage transformer (180), mounted therein, and a convection assembly (200) mounted at a side of the inner case (110), for transmitting heat to the cooking chamber (110a), thereby providing an excellent performance even with a small size.

Best Available Copy

WO 2005/039244 A1



FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI,  
SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ,  
GW, ML, MR, NE, SN, TD, TG).

*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*

**Published:**

— with international search report

Best Available Copy